

Fall Implementation Monitoring Form

Categories 5 and 6

**This form and associated monitoring must be completed
before the winter period (as defined in Attachment A)
and submitted to the Water Board by January 15**

Please type or print clearly in ink

Fall implementation monitoring is visual monitoring of timber harvest and vegetation management areas, roads, stream crossings, landings, etc., to ensure all management practices designed to prevent sediment delivery and protect water quality (such as erosion control measures, riparian buffers, water bars, critical dips) are in place and secure prior to the winter period (as defined in Attachment A).

Fall implementation monitoring and reporting is required every year for the duration of the activity and until a Notice of Termination of Timber Waiver Coverage is issued by Water Board staff. This complete form must be submitted in accordance with the requirements of this monitoring and reporting program.

1. **Activity/Plan Name:**

2. **WDID Number:**

3.

Yes	No
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 Have timber harvest and vegetation management activities under this activity/plan commenced?

If **yes**, please complete this form and associated monitoring.

If **no**, when are operations anticipated to begin (if known)?

If operations have not commenced by November 15, you are not required to complete the remainder of this form, please sign the landowner signature box at the bottom of page 4, and submit to the Water Board by January 15.

4. **Inspector's name and title:**

Date of inspection:

All of the following sites) must be inspected before the Winter Period, or indicated as not present within the activity area:

5. **Watercourse crossings:** Inspected: None within area:

Yes	No	Have all watercourse crossings and associated fills and approaches been constructed or reconstructed to prevent diversion of stream overflow down the road and to minimize fill erosion and delivery to a waterbody if the drainage structure became plugged?
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Yes	No	Are all necessary critical dips properly installed? (A properly installed critical dip, or other overflow structure, should be on the downhill side of all crossings.)
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Yes	No	Is there any risk of stream diversion during a high runoff event?
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|-----|----|--|
| Yes | No | Is road runoff disconnected before it reaches the watercourse crossing?
(For example, are waterbreaks (i.e., rolling dips or waterbars) placed on the approaches to the crossing so that runoff and sediment is filtered prior to potential discharge to a waterbody? It may be impossible to disconnect all of the road drainage from the watercourse. However, the length of road draining to the stream should be kept to a minimum.) |
| Yes | No | Are all fill slopes adequately armored? |
| Yes | No | If road surfacing (e.g., rock aggregate) is to be used near or at the watercourse crossing, is it done to the specification listed in the approved plan? (At the minimum, rocking should be done at the size, depth, and extent listed in the approved plan.) |
| Yes | No | Are culverts clear of debris? |
| Yes | No | Have all constructed or reconstructed watercourse crossings been installed and armored to prevent sediment discharge? (e.g., by channel erosion, inlet scour, and road fill erosion) |
| Yes | No | Do all Class I watercourse crossings allow for fish passage? |
| Yes | No | Have all temporary (seasonal) watercourse crossings been removed? (All temporary fill should be excavated to form a channel that is as close as feasible to the natural watercourse grade and orientation, and that is wider than the natural channel.) |

Additional notes on watercourse crossings within the activity area:

6. Water diversions and watering holes:

Inspected:

☐

None within area:

☐

Additional notes on water diversions and watering holes within the activity area:

7. All roads:

Inspected:

☐

None within area:

☐

- | | | |
|-----|----|---|
| Yes | No | Are all roads (permanent, seasonal, or temporary road segments used for timber operations within the activity area, and roads appurtenant to operations where such roads are under the ownership or control of the landowner or manager) adequately stabilized to prevent sediment delivery to a waterbody? |
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Additional notes on road segments within the activity area:

8. **All existing and constructed landings:**

Inspected:

☐

None within area:

☐

Yes	No	Are all landings adequately stabilized (as defined in Attachment A) to prevent sediment delivery to a waterbody?
Additional notes on existing and constructed landings within the activity area:		

9. **All existing and constructed skid trails:**

Inspected:

☐

None within area:

☐

Yes No **Are all skid trails adequately stabilized to prevent sediment delivery to a waterbody? (e.g., are all water bars properly installed)**

Additional notes on existing and constructed skid trails within the activity area:
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10. **Status of all known or suspected landslides near roads, streams, or ground-based equipment operations:**

Inspected:

☐

None within area:

☐

Additional notes landslides within the activity area:

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11. **All unstable areas:**

Inspected:

☐

None within area:

☐

Yes No **Were unstable areas avoided during timber harvest and vegetation management activities? (Unless allowed in the approved plan, make sure that timber harvest and vegetation management activities did not occur in unstable areas.)**

Yes No **If timber harvest and vegetation management activities are permitted within unstable areas, have all site-specific mitigations listed within the approved plan been implemented?**

Additional notes on unstable areas within the activity area:

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12. **Recommendations made by Water Board staff during the pre-harvest inspection:** (if not covered elsewhere in this report)

Inspected:

None within area:

Yes No **Were all written recommendations made by Water Board staff in the pre-harvest inspection report implemented?**

Additional notes on recommendations made by Water Board staff:

13. Yes No **Have all management practices** (e.g., riparian buffers, erosion control measures, water bars, critical dips) **been implemented to prevent sediment delivery to surface waters?**

If not, please explain what corrective measures will be taken to maintain compliance with the Timber Waiver and to prevent impacts to water quality:

(attach additional pages if necessary)

14. Yes No **Did you observe any signs of sediment delivery or potential sediment delivery** (e.g., failed stream banks, rills, gullies, unstabilized spoils) **within the activity area?**

If so, please describe the sediment sources, and what corrective measures will be taken to maintain compliance with the Timber Waiver and to prevent impacts to water quality:

(attach additional pages if necessary)

15. **Pile placement and burning within WBBZs and/or SEZs**

None within area ☐

A) Pre-Burn Information:

i. Date(s) piles created: _____

ii. Type and relative abundance of vegetation observed in WBBZ/SEZ prior to burning is:

B) Date(s) piles burned _____. If piles have been burned, complete C) below.

C) Were all burn scars raked to 85% coverage with native duff or organic mulch and seed post-burning? (Y / N):

If Yes, provide date(s) raked: _____, if No, complete D) below.

D) If C) is No, then state date(s) of burn scar inspection: _____, and complete E), F), and G) during the second growing season following the burn.

E) Report on the status of vegetative recovery throughout the burn scars in terms of type and

relative abundance of vegetation, compared to adjacent unburned areas. If using a representative sample rather than assessing all burn scars, provide additional details on the number of scars assessed and how the sample size was determined (attach more pages if necessary):

i. Type and relative abundance of vegetation observed in project adjacent to burn scars after burning is:

ii. Type and relative abundance of vegetative recovery in burn scars after burning is:

iii. The approximate % of burns scars within the representative sample without vegetative recovery after the second growing season is:

iv. Date(s) all burns scars not in a state of vegetative recovery after two growing seasons were raked to 85% coverage with either native duff or organic mulch and seed: _____.

v. Additional Information (if needed):

F) Are invasive species present in any burn scars? (Y / N)

If F) is Yes, attach a corrective action plan and schedule for implementation of the corrective action plan.

G) Is there evidence of ash, charred material, or sediment movement off of any burn scars?
(Y / N)

If G) is Yes, describe where material moved, potential for delivery to surface water, and attach a corrective action plan and an implementation schedule for the plan if necessary.

(attach additional pages if necessary)

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that all information contained in this monitoring report is true, accurately represents site conditions, and complete. I also certify that all timber harvest and vegetation management activities conducted have been in conformance with all the general conditions of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2014-00XX, and all eligibility criteria and conditions for Category 5 or 6 of the Timber Waiver. If any deviation from the approved plan, and/or the Timber Waiver eligibility criteria and conditions has been identified I have disclosed such deviations in this form along with corrective actions that will be taken to resolve the problem.

Signature: _____

Date: _____

Printed Name and Title: _____

Phone/Fax/E-mail: _____

Invitation for feedback: Water Board staff respectfully request any constructive feedback regarding the monitoring program with regard to your timber harvest and vegetation management activities. Completing this section is not a requirement. Water Board staff may use your comments and suggestions to improve this program for future activities. Comments may include:

- perceived effectiveness of the program in protecting water quality
- recommendations on how to make the monitoring program more efficient, reliable, or effective
- impressions of recommendations made by Water Board staff regarding your activities (e.g., do they appear to be effective, is there a practice or a performance standard that would have been more cost-effective at protecting water quality?)